Mechanical Metrology

	2003	2004	2005	2006	2007	2008
Themes	Research and development					
				Custome	er outreach	
	High quality measurement services					
			Support	of MRA		
			F - 11			Cl. '
	Establish direct traceability of vacuum mass to SI unit Enhance delivery of measurement services					
					esent and future cus	tomer needs
Principal						
Activities	Implement o	uality system			ındation for prograr	n
	Active representation in CCM, CCAUV, SIM MWG7 & SIM MWG9					
Deliverables			"Proof-o	f-concept" magneti	ically levitated vacu	
	Mass calibration software Stable mass artifacts					
			y vibration system			
			klbf force machine			
	Successful assessment of quality system			nass facility		
			Site visits, workshops, and roadmaps for R&D			
	Over 500 calibrations services and special tests annually					
		Measurements	& reports of internati	onal and regional	key comparisons	
Impacts	Alternative realization of kilogram, improved uncertainty and efficiency of measurements					
					ss of US industry	
	Access to State-of-the-art traceable measurements and standards					
	Equivalency of measurements and open world markets					